

## Effect of external pressure and solvent on the equilibrium constant of the Diels-Alder reaction of 9-chloroanthracene with tetracyanoethylene

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### Abstract

The effect of external pressure and solvent on the equilibrium constant of the Diels-Alder reaction of tetracyanoethylene with 9-chloroanthracene at 25°C was studied. The molar reaction volume is strongly solvent-dependent, cm<sup>3</sup>/mol:  $-11.3 \pm 1.0$  in o-xylene,  $-14.9 \pm 1.0$  in toluene,  $-20.6 \pm 1.5$  in 1,2-dichloroethane,  $-22.6 \pm 1.5$  in ethyl acetate, and  $-24.2 \pm 1.5$  in acetonitrile.

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